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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | |
|------------------------------|--------------------|------------------|
| Office Action Summary | Application No. | Applicant(s) |
| | 10/724,623 | HALL, RICHARD A. |
| | Examiner | Art Unit |
| | Jennifer L. Norton | 2121 |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply.

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 02 December 2003.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-38 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-38 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 02 December 2003 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date _____

4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____

5) Notice of Informal Patent Application

6) Other: _____

DETAILED ACTION

1. Claims 1-38 are pending.

Claim Objections

2. Claim 38 is objected to because of the following informalities:

Claim 38, line 7 contains the grammatical error, "the first subset of option".

Appropriate correction is required.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 4, 6, 13, 15, 24 and 37 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

5. The term "essentially" in claims 13, 24 and 37 is a relative term which renders the claim indefinite. The term "essentially" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention. Hence,

the limitation "the same time" is rendered indefinite by use the term "essentially" in claims 13, 24 and 37.

6. Claims 4, 6 and 15 recite the following limitations:

- Claim 4, line 3 recites the limitation "the signals".
- Claim 6, line 2 recites the limitation "the plurality of type options".
- Claim 15, line 10 recites the limitation "the signals".

There is insufficient antecedent basis for these limitations in the claims.

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claims 29 and 38 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 6,393,429 (hereinafter Yagi).

9. As per claim 29, Yagi discloses an apparatus for selecting an option from a set of options, the apparatus comprising:

means for providing a first subset of options from which to select the option (col. 8, lines 63-67, col. 9, lines 1-2 and Fig. 6), the first subset of options configured to include at least one option of the set of options (col. 8, lines 63-67, col. 9, lines 1-4 and Fig. 6, element 51-54 and "recently accessed file" section);

means for interfacing (col. 6, lines 21-24 and Fig. 2, element 18) configured to provide a scrolling means for scrolling through the first subset of options and a selecting means for selecting the option (col. 8, lines 63-67, col. 9, lines 1-4 and Fig. 6, element 51-54 and "recently accessed file" section; i.e. the user moves from one option to another using a mouse (Fig. 2, element 17), hence scrolling through the options); and

means for providing a second subset of options configured to include a remainder of option corresponding to the set of options minus the first subset of option (col. 10, lines 25-40 and 57-67, col. 11, lines 1-4 and Fig. 8 and Fig. 9A via the selection of "Open"),

wherein the interfacing means (col. 6, lines 21-24 and Fig. 2, element 18) is further configured to provide a capability of scrolling through the second subset of options (col. 13, lines 43-61 and Fig. 13; i.e. the user moves from one type option to another using a mouse (Fig. 2, element 17), hence scrolling through the options) and moving an option from the second subset of options (Fig. 8 and 9A via the selection of "Open") to the first subset of options (Fig. 6).

10. As per claim 38, Yagi discloses a method of selecting an option from a set of options, the method comprising:

providing a first subset of options from which to select the option (col. 8, lines 63-67, col. 9, lines 1-2 and Fig. 6), the first subset of options configured to include at least one option of the set of options (col. 8, lines 63-67, col. 9, lines 1-4 and Fig. 6, element 51-54 and "recently accessed file" section);

providing an interface (col. 6, lines 21-24 and Fig. 2, element 18) configured to provide a capability of scrolling through the first subset of options and selecting the option (col. 8, lines 63-67, col. 9, lines 1-4 and Fig. 6, element 51-54 and "recently accessed file" section; i.e. the user moves from one option to another using a mouse (Fig. 2, element 17), hence scrolling through the options); and

providing a second subset of options configured to include a remainder of option corresponding to the set of options minus the first subset of option (col. 10, lines 25-40 and 57-67, col. 11, lines 1-4, Fig. 8 and Fig. 9A via the selection of "Open"),

wherein the interface (col. 6, lines 21-24 and Fig. 2, element 18) is further configured to provide a capability of scrolling through the second subset of options (col. 13, lines 43-61 and Fig. 13; i.e. the user moves from one type option to another using a mouse (Fig. 2, element 17), hence scrolling through the options) and moving an option from the second subset of options (Fig. 8 and 9A via the selection of "Open") to the first subset of options (Fig. 6).

Claim Rejections - 35 USC § 103

11. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

12. Claims 1-12, 14-23, 25-28 and 30-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yagi in view of U.S. Patent No. 5,926,387 (hereinafter Furst).

13. As per claim 1, Yagi teaches a user interface to select a desired file/folder from a set of file(s)/folder(s) corresponding to compatible file/folder for use in a file handling device (col. 1, lines 6-16), the user interface comprising:

a home menu (col. 8, lines 63-67, col. 9, lines 1-2 and Fig. 6) to access a previously selected file(s)/folder(s) (col. 9, lines 14-21 and Fig. 6, element 52 and "recently accessed file" section); and

an add menu (Fig. 8 and 9A, via the selection of "Open") to add the desired file(s)/folder(s) in response to the desired file(s)/folder(s) being absent from the home menu, wherein the add menu includes the set of files/folders (col. 10, lines 25-40 and 57-67 and col. 11, lines 1-4).

Yagi does not expressly teach to a centrifuge and rotors.

Furst teaches to a system and method for operating a centrifuge that includes querying the operator of the centrifuge for information which includes the selection of a rotor (col. 4, lines 57-62 and col. 6, lines 16-22).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Yagi to include a system and method for operating a centrifuge that includes querying the operator of the centrifuge for information which includes the selection of a rotor to provide the advantage on the basis of information provided by the user, the system will compute the operational parameters of the centrifuge for the specified run and operate the centrifuge to perform the selected experiment which further limits the experimenter being burdened with unnecessary detail, which tends to be distracting and therefore inefficient (col. 2, lines 51-56).

14. As per claim 2, Yagi teaches as set forth above the user interface according to claim 1, further comprising:

a display (col. 6, lines 21-24 and Fig. 2, element 18) to present the home menu (Fig. 6) and the add menu (Fig. 8 and 9A via the selection of "Open"), the home menu (Fig. 6) including a plurality of home options (col. 8, lines 63-67, col. 9, lines 1-4 and Fig. 6, element 51-54 and "recently accessed file" section), the home options including the previously selected rotor (col. 9, lines 8-11 and Fig. 6, element 52 and "recently

accessed file" section) and an add function (Fig. 8 via the selection of "Open").

15. As per claim 3, Yagi teaches as set forth above the user interface according to claim 2, further comprising:

a key to navigate the home menu and the add menu (col. 1, lines 41-43), the key being configured to generate a signal in response to being engaged (col. 9, lines 18-21 and col. 13, lines 1-14; i.e. the selection of a recently accessed file from the menu will open).

16. As per claim 4, Yagi teaches as set forth above the user interface according to claim 3, further comprising:

a memory to store a run parameter (col. 6, lines 16-30 and Fig. 2, element 12); and

a processor (Fig. 2, element 11) to control the display and receive the signals from the key (col. 6, lines 25-30), the processor being configured to:

control the display to initially present the home menu (col. 6, lines 34-54, col. 15-20, Fig. 3, element 21 and Fig. 4(B), element 44; i.e. a setting means for displaying the desired home menu);

store the previously selected rotor to the run parameter (col. 6, lines 55-60, i.e. store to Fig. 6, element 52 and "recently accessed file" section) in

response to a selection event while the previously selected rotor is being displayed (col. 10, lines 39-49 and 57-67, col. 11, lines 1-9 and Fig. 9A and 9B); control the display to present the add menu in response to the add function being selected (col. 10, lines 25-49); and move a newly selected rotor of the set of rotors to the home menu (Fig. 9B) from the add menu (Fig. 8 and 9A via the selection of "Open") and store the newly selected rotor to the run parameter in response to the selection event (col. 6, lines 56-60) while the newly selected rotor is being displayed (col. 10, lines 57-67 and col. 11, lines 1-9).

17. As per claim 5, Yagi teaches as set forth above the processor is further configured to control the display to scroll through the plurality of home options while the display is presenting the home menu and in response to the signal (col. 8, lines 63-67, col. 9, lines 1-4 and Fig. 6, element 51-54 and "recently accessed file" section; i.e. the user moves from one home option to another using a mouse (Fig. 2, element 17), hence scrolling through the home options).

18. As per claim 6, Yagi teaches as set forth above the processor is further configured to control the display to scroll through the plurality of type options while the display is presenting the add menu and in response to the signal (col. 13, lines 43-61 and Fig. 13; i.e. the user moves from one type option to another using a mouse (Fig. 2,

element 17), hence scrolling through the type options).

19. As per claim 7, Yagi does not expressly teach the key is a down key and the processor is configured to control the display to scroll in a forward manner through the home menu or add menu in response to the signal.

Furst teaches to a key and processor configured to control a display by navigation through a menu in response to the key's output (col. 5, lines 45-48 and 67 and col. 6, lines 1-3; i.e. signal).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Yagi to include a key and processor configured to control a display by navigation through a menu in response to the key's output to provide the advantage on the basis of information provided by the user, the system will compute the operational parameters of the centrifuge for the specified run and operate the centrifuge to perform the selected experiment which further limits the experimenter being burdened with unnecessary detail, which tends to be distracting and therefore inefficient (col. 2, lines 51-56).

20. As per claim 8, Yagi does not expressly teach the key is an up key and the processor is configured to control the display to scroll in a reverse manner through the

home menu or add menu in response to the signal.

Furst teaches to a key and processor configured to control a display by navigation through a menu in response to the key's output (col. 5, lines 45-48 and 67 and col. 6, lines 1-3; i.e. signal).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Yagi to include a key and processor configured to control a display by navigation through a menu in response to the key's output to provide the advantage on the basis of information provided by the user, the system will compute the operational parameters of the centrifuge for the specified run and operate the centrifuge to perform the selected experiment which further limits the experimenter being burdened with unnecessary detail, which tends to be distracting and therefore inefficient (col. 2, lines 51-56).

21. As per claim 9, Yagi teaches as set forth above the processor is further configured to determine the selection event has occurred (col. 6, lines 25-30, col. 9, lines 18-21 and col. 13, lines 1-14; i.e. the selection of a recently accessed file from the menu will open).

22. As per claim 10, Yagi teaches as set forth above a select key (col. 1, lines 41-43) configured to generate a select signal in response to being engaged, wherein the processor is configured to determine the selection event has occurred in response to the select signal (col. 6, lines 25-30, col. 9, lines 18-21 and col. 13, lines 1-14; i.e. the selection of a recently accessed file from the menu will open).

23. As per claim 11, Yagi teaches as set forth above the processor is configured to determine the selection event has occurred in response to a predetermined amount of time has elapsed since last receiving the signal (col. 6, lines 25-30).

24. As per claim 12, Yagi teaches as set forth above the processor is configured to determine the selection event has occurred in response to receiving a start run signal (col. 6, lines 25-30).

25. As per claim 14, Yagi teaches as set forth above the add menu further comprises a plurality of type menus to subdivide the set of rotors (Fig. 10; i.e. divided into a plurality of files) into a plurality of respective type options (Fig. 10; i.e. divided into a plurality of different folders), the processor the configured to control the display to present the plurality of type menus (col. 11, lines 41-48).

26. As per claim 15, Yagi teaches an apparatus to select a desired file/folder from a set of files(s)/folder(s) compatible for use in a file handling device (col. 1, lines 6-16), the apparatus comprising:

a display (col. 6, lines 21-24 and Fig. 2, element 18) to present a home menu (col. 8, lines 63-67, col. 9, lines 1-2 and Fig. 6) and an add menu (col. 10, lines 25-40 and 57-67, col. 11, lines 1-4 and Fig. 8 and Fig. 9A via the selection of "Open"),

the home menu (Fig. 6) including a plurality of home menu options (col. 8, lines 63-67, col. 9, lines 1-4 and Fig. 6, element 51-54 and "recently accessed file" section),

the home menu options including a previously selected files(s)/folder(s) (col. 9, lines 8-12 and Fig. 6, element 52 and "recently accessed file" section) and an add function (Fig. 8 and 9A via the selection of "Open"), the add menu including a plurality of add menu options (col. 10, lines 25-39 and 57-67 and col. 11, lines 1-4), the plurality of add menu options including the set of files(s)/folder(s) (col. 10, lines 25-39 and 57-67 and col. 11, lines 1-4);

a key to navigate the home menu and the add menu (col. 1, lines 41-43), the key being configured to generate a signal in response to being engaged (col. 10, lines 25-40 and 57-67 and col. 11, lines 1-4);

a memory to store a run parameter (col. 6, lines 16-30 and Fig. 2, element 12); and

a processor (Fig. 2, element 11) to control the display and receive the signals from the key (col. 6, lines 25-30), the processor being configured to:

control the display to initially present the home menu (col. 6, lines 34-54, col. 15-20, Fig. 3, element 21 and Fig. 4(B), element 44; i.e. a setting means for displaying the desired home menu);

store the previously selected files/folder to the run parameter (col. 6, lines 55-60, i.e. store to Fig. 6, element 52 and "recently accessed file" section) in response to a selection event while the previously selected file/folder is being displayed (col. 10, lines 39-49 and 57-67, col. 11, lines 1-9 and Fig. 9A and 9B);

control the display to present the add menu in response to the add function being selected (col. 10, lines 25-49); and

move a newly selected file/folder of the set of files(s)/folder(s) to the home menu (Fig. 9B) from the add menu (Fig. 8 and 9A via the selection of "Open") and store the newly selected file/folder to the run parameter in response to the selection event (col. 6, lines 56-60) while the newly selected file/folder is being displayed (col. 10, lines 57-67 and col. 11, lines 1-9).

Yagi does not expressly teach to a centrifuge and rotors.

Furst teaches to a system and method for operating a centrifuge that includes querying the operator of the centrifuge for information which includes the selection of a rotor (col. 4, lines 57-62 and col. 6, lines 16-22).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Yagi to include a system and method for operating a centrifuge that includes querying the operator of the centrifuge for information which includes the selection of a rotor to provide the advantage on the basis of information provided by the user, the system will compute the operational parameters of the centrifuge for the specified run and operate the centrifuge to perform the selected experiment which further limits the experimenter being burdened with unnecessary detail, which tends to be distracting and therefore inefficient (col. 2, lines 51-56).

27. As per claim 16, Yagi teaches as set forth above the processor is further configured to control the display to scroll through the plurality of home menu options while the display is presenting the home menu and in response to the signal (col. 8, lines 63-67, col. 9, lines 1-4 and Fig. 6, element 51-54 and "recently accessed file" section; i.e. the user moves from one home option to another using a mouse (Fig. 2, element 17), hence scrolling through the home options).

28. As per claim 17, Yagi teaches as set forth above the processor is further configured to control the display to scroll through the plurality of add menu options while the display is presenting the add menu and in response to the signal (col. 13, lines 43-61 and Fig. 13; i.e. the user moves from one type option to another using a mouse (Fig. 2, element 17), hence scrolling through the options).

29. As per claim 18, Yagi does not expressly teach the key is a down key and the processor is configured to control the display to scroll in a forward manner through the home menu or add menu in response to the signal.

Furst teaches to a key and processor configured to control a display by navigation through a menu in response to the key's output (col. 5, lines 45-48 and 67 and col. 6, lines 1-3; i.e. signal).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Yagi to include a key and processor configured to control a display by navigation through a menu in response to the key's output to provide the advantage on the basis of information provided by the user, the system will compute the operational parameters of the centrifuge for the specified run and operate the centrifuge to perform the selected experiment which

further limits the experimenter being burdened with unnecessary detail, which tends to be distracting and therefore inefficient (col. 2, lines 51-56).

30. As per claim 19, Yagi teaches does not expressly teach the key is an up key and the processor is configured to control the display to scroll in a reverse manner through the home menu or add menu in response to the signal.

Furst teaches to a key and processor configured to control a display by navigation through a menu in response to the key's output (col. 5, lines 45-48 and 67 and col. 6, lines 1-3; i.e. signal).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Yagi to include a key and processor configured to control a display by navigation through a menu in response to the key's output to provide the advantage on the basis of information provided by the user, the system will compute the operational parameters of the centrifuge for the specified run and operate the centrifuge to perform the selected experiment which further limits the experimenter being burdened with unnecessary detail, which tends to be distracting and therefore inefficient (col. 2, lines 51-56).

31. As per claim 20, Yagi teaches as set forth above the processor is further configured to determine the selection event has occurred (col. 6, lines 25-30, col. 9, lines 18-21 and col. 13, lines 1-14; i.e. the selection of a recently accessed file from the menu will open).

32. As per claim 21, Yagi teaches as set forth above a select key (col. 1, lines 41-43) configured to generate a select signal in response to being engaged, wherein the processor is configured to determine the selection event has occurred in response to the select signal (col. 6, lines 25-30, col. 9, lines 18-21 and col. 13, lines 1-14; i.e. the selection of a recently accessed file from the menu will open).

33. As per claim 22, Yagi teaches as set forth above the processor is configured to determine the selection event has occurred in response to a predetermined amount of time has elapsed since last receiving the signal (col. 6, lines 25-30).

34. As per claim 23, Yagi teaches as set forth above the processor is configured to determine the selection event has occurred in response to receiving a start run signal (col. 6, lines 25-30).

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35. As per claim 25, Yagi teaches an apparatus for providing a user interface to a user for the user to select a desired file/folder from a set of file(s)/folder(s) compatible for use in a file handling device (col. 1, lines 6-16), the apparatus comprising:

means for displaying (col. 6, lines 21-24 and Fig. 2, element 18) a home menu option of a plurality of home menu options (col. 8, lines 63-67, col. 9, lines 1-2 and Fig. 6, element 51-54 and "recently accessed file" section) in a home menu (Fig. 6), the home menu options including a previously selected file/folder (col. 9, lines 8-11, and Fig. 6, element 52 and "recently accessed file" section) and an add function (Fig. 8 and 9A via the selection of "Open");

means for storing the previously selected file/folder to a run parameter (col. 6, lines 55-60, i.e. store to Fig. 6, element 52 and "recently accessed file" section) in response to a selection event while the previously selected file/folder is being displayed (col. 10, lines 39-49 and 57-67, col. 11, lines 1-9 and Fig. 9A and 9B);

means for displaying (col. 1, lines 41-43) an add menu option (col. 10, lines 25-40 and lines 57-67, col. 11, lines 1-4 and Fig. 8 and Fig. 9A via the selection of "Open") of a plurality of add menu options (col. 10, lines 25-39 and 57-67 and col. 11, lines 1-4) in an add menu in response to a selection event while the add function is being displayed (col. 10, lines 25-49 and 57-67 and col. 11, lines 1-4); and

means for moving a newly selected file/folder of the set of file(s)/folder(s) to the home menu (Fig. 9B) from the add menu (Fig. 8 and 9A via the selection of "Open") and means for storing the newly selected file/folder to the run parameter in response to

the selection event (col. 6, lines 56-60) while the newly selected file/folder is being displayed (col. 10, lines 57-67 and col. 11, lines 1-9).

Yagi does not expressly teach to a centrifuge and rotors.

Furst teaches to a system and method for operating a centrifuge that includes querying the operator of the centrifuge for information which includes the selection of a rotor (col. 4, lines 57-62 and col. 6, lines 16-22).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Yagi to include a system and method for operating a centrifuge that includes querying the operator of the centrifuge for information which includes the selection of a rotor to provide the advantage on the basis of information provided by the user, the system will compute the operational parameters of the centrifuge for the specified run and operate the centrifuge to perform the selected experiment which further limits the experimenter being burdened with unnecessary detail, which tends to be distracting and therefore inefficient (col. 2, lines 51-56).

36. As per claim 26, Yagi teaches as set forth above a means for scrolling (i.e. the user moves from one home option to another using a mouse (Fig. 2, element 17),

hence scrolling through the home options) through the plurality of home menu options while displaying the home menu in response to the selection event (col. 8, lines 63-67, col. 9, lines 1-4 and Fig. 6, element 51-54 and “recently accessed file” section).

37. As per claim 27, Yagi teaches as set forth above a means for scrolling (i.e. the user moves from one type option to another using a mouse (Fig. 2, element 17), hence scrolling through the options) through the plurality of add menu options while displaying the add menu in response to the selection event (col. 13, lines 43-61 and Fig. 13).

38. As per claim 28, Yagi teaches as set forth above a means (i.e. the selection of a recently accessed file from the menu will open) for determining the selection event has occurred (col. 6, lines 25-30, col. 9, lines 18-21 and col. 13, lines 1-14).

39. As per claim 30, Yagi teaches a method of providing a user interface to a user for the user to select a desired file/folder from a files(s)/folder(s) compatible for use in a file handling device (col. 1, lines 6-16), the method comprising:

displaying (col. 6, lines 21-24 and Fig. 2, element 18) a home menu option of a plurality of home menu options (col. 8, lines 63-67, col. 9, lines 1-4 and Fig. 6, element 51-54 and “recently accessed file” section) in a home menu (col. 8, lines 63-67, col. 9, lines 1-2 and Fig. 6), the home menu options including previously selected

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files(s)/folder(s) (col. 9, lines 8-12 and Fig. 6, element 52 and "recently accessed file" section);

storing the previously selected previously selected files(s)/folder(s) to a run parameter (col. 6, lines 55-60, i.e. store to Fig. 6, element 52 and "recently accessed file" section) in response to a selection event while the previously selected files(s)/folder(s) is being displayed (col. 10, lines 39-49 and 57-67, col. 11, lines 1-9 and Fig. 9A and 9B);

displaying an add menu option of a plurality of add menu options (col. 10, lines 25-39 and 57-67 and col. 11, lines 1-4) in an add menu (col. 10, lines 25-40 and 57-67, col. 11, lines 1-4 and Fig. 8 and Fig. 9A via the selection of "Open") in response to a selection event while the add function is being displayed (col. 10, lines 25-49); and

moving a newly selected file/folder of the set of files(s)/folder(s) to the home menu (Fig. 9B) from the add menu (Fig. 8 and 9A via the selection of "Open") and storing the newly selected file/folder to the run parameter in response to the selection event (col. 6, lines 56-60) while the newly selected file/folder is being displayed (col. 10, lines 57-67 and col. 11, lines 1-9).

Yagi does not expressly teach to a centrifuge and rotors.

Furst teaches to a system and method for operating a centrifuge that includes querying the operator of the centrifuge for information which includes the selection of a rotor (col. 4, lines 57-62 and col. 6, lines 16-22).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Yagi to include a system and method for operating a centrifuge that includes querying the operator of the centrifuge for information which includes the selection of a rotor to provide the advantage on the basis of information provided by the user, the system will compute the operational parameters of the centrifuge for the specified run and operate the centrifuge to perform the selected experiment which further limits the experimenter being burdened with unnecessary detail, which tends to be distracting and therefore inefficient (col. 2, lines 51-56).

40. As per claim 31, Yagi teaches as set forth above scrolling through the plurality of home menu options while displaying the home menu in response to the selection event (col. 8, lines 63-67, col. 9, lines 1-4 and Fig. 6, element 51-54 and "recently accessed file" section; i.e. the user moves from one home option to another using a mouse (Fig. 2, element 17), hence scrolling through the home options).

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41. As per claim 32, Yagi teaches as set forth above scrolling through the plurality of add menu options while displaying the add menu in response to the selection event (col. 13, lines 43-61 and Fig. 13; i.e. the user moves from one type option to another using a mouse (Fig. 2, element 17), hence scrolling through the options).

42. As per claim 33, Yagi teaches as set forth above determining the selection event has occurred (col. 6, lines 25-30, col. 9, lines 18-21 and col. 13, lines 1-14; i.e. the selection of a recently accessed file from the menu will open).

43. As per claim 34, Yagi teaches as set forth above the selection event is determined to have occurred in response to a select signal (col. 6, lines 25-30, col. 9, lines 18-21 and col. 13, lines 1-14; i.e. the selection of a recently accessed file from the menu will open).

44. As per claim 35, Yagi teaches as set forth above the selection event is determined to have occurred in response to in response to a predetermined amount of time having elapsed since last receiving a signal (col. 6, lines 25-30).

45. As per claim 36, Yagi teaches as set forth above the selection event is determined to have occurred in response to receiving a start run signal (col. 6, lines 25-30).

46. Claims 13, 24 and 37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yagi in view of Furst in further view of U.S. Patent No. 5,358,343 (hereinafter Klauber).

47. As per claim 13, Yagi does not expressly teach the key includes a down key and an up key and the processor is configured to determine the selection event has occurred in response to receiving the signal from the down key and the up key at essentially the same time.

Furst teaches to a key and processor configured to control a display by selection of a menu item in response to the key's output (col. 5, lines 45-48 and 67 and col. 6, lines 1-3; i.e. signal).

Furst does not expressly teach to two keys to the simultaneous activation of two keys at essentially the same time.

Klauber teaches to the simultaneous activation of two keys, which the processor is configured to determine the activation has occurred in response to receiving an output signal from the two keys (col.11, lines 55-60).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Yagi to include the simultaneous activation of two keys, which the processor is configured to determine the activation has occurred in response to receiving an output signal from the two keys to provide an improved, easier, more efficient, more ergonomic method for activation of keys (col. 1, lines 19-28).

48. As per claim 24, Yagi does not expressly teach the key includes a down key and an up key and the processor is configured to determine the selection event has occurred in response to receiving the signal from the down key and the up key at essentially the same time.

Furst teaches to a key and processor configured to control a display by selection of a menu item in response to the key's output (col. 5, lines 45-48 and 67 and col. 6, lines 1-3; i.e. signal).

Furst does not expressly teach to two keys to the simultaneous activation of two keys at essentially the same time.

Klauber teaches to the simultaneous activation of two keys, which the processor is configured to determine the activation has occurred in response to receiving an output signal from the two keys (col.11, lines 55-60).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Yagi to include the simultaneous activation of two keys, which the processor is configured to determine the activation has occurred in response to receiving an output signal from the two keys to provide an improved, easier, more efficient, more ergonomic method for activation of keys (col. 1, lines 19-28).

49. As per claim 37, Yagi does not expressly teach the selection event is determined to have occurred in response to receiving a signal from a down key and an up key at essentially the same time.

Furst teaches to a key and processor configured to the control a display by selection of a menu item in response to the key's output (col. 5, lines 45-48 and 67 and col. 6, lines 1-3; i.e. signal).

Furst does not expressly teach to two keys to the simultaneous activation of two keys at essentially the same time.

Klauber teaches to the simultaneous activation of two keys, which the processor is configured to determine the activation has occurred in response to receiving an output signal from the two keys (col.11, lines 55-60).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Yagi to include the simultaneous activation of two keys, which the processor is configured to determine the activation has occurred in response to receiving an output signal from the two keys to provide an improved, easier, more efficient, more ergonomic method for activation of keys (col. 1, lines 19-28).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following references are cited to further show the state of the art with respect to operator interfaces for inputting and displaying information.

U.S. Patent No. 2002/0186238 discloses an interactive display shows status information for resources monitored by network monitoring software.

U.S. Patent No. 2003/0115176 discloses a computer implemented information system which arranges information according to types, members and associations wherein types group members with common attributes and wherein associations define relationships between types.

U.S. Patent No. 5,287,265 discloses an interface method for inputting operator-selectable values for speed, temperature and time control parameter.

U.S. Patent No. 6,901,559 discloses adding a new category of contacts and tasks to hand-held devices.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer L. Norton whose telephone number is 571-272-3694. The examiner can normally be reached on 8:00 a.m. - 4:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Vincent can be reached on 571-272-3080. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


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Art Unit 2121